

# **NOTIFICATION OF ADDENDUM**

## **ADDENDUM NO. 1**

**DATED 2/28/2014**

<b>Control</b>	<b>6268-02-001</b>
<b>Project</b>	<b>RMC - 626802001</b>
<b>Highway</b>	<b>IH0045</b>
<b>County</b>	<b>HARRIS</b>

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: RMC - 626802001

CONTROL: 6268-02-001

COUNTY: HARRIS

LETTING: 03/11/2014

REFERENCE NO: 0228

**PROPOSAL ADDENDUMS**

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\_ PROPOSAL COVER

X BID INSERTS (SH. NO.: Sheet nos. 1 and 2 )

X GENERAL NOTES (SH. NO.: General Notes sheet nos. 3-3C  
added work schedule note and addl rdwys under Item 8. )

\_ SPEC LIST (SH. NO.: )

\_ SPECIAL PROVISIONS:

ADDED:

DELETED:

\_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: Added TCP Sheet nos. 17A-17G and Detail sheet nos. 24A and 24B

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	429	2010	008	CNC STR REP (BRDG DECK)(FULL DEPTH) DOLLARS and CENTS	SF	350.000	1
	442	2047	016	STRUCTURAL STEEL(MISCELLANEOUS BRIDGE) DOLLARS and CENTS	LB	2,504.000	2
	442	2048	016	STRUCTURAL STEEL(MISC NON-BRIDGE) DOLLARS and CENTS	LB	2,983.200	3
	442	2049	016	STR STL (MISC BRG)(STAINLESS STL) DOLLARS and CENTS	LB	1,132.800	4
	450	2031	001	RAIL (TY T2) DOLLARS and CENTS	LF	46.000	5
	452	2001		REMOV RAIL (CONC ELEMENTS) DOLLARS and CENTS	LF	46.000	6
	452	2002		REMOV RAIL (METAL ELEMENTS) DOLLARS and CENTS	LF	50.000	7
	454	2001	003	SEALED EXPANSION JOINT (4 IN)(SEJ-A) DOLLARS and CENTS	LF	46.000	8
	500	2001	011	MOBILIZATION DOLLARS and CENTS	LS	1.000	9
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	6.000	10

PROJECT RMC - 626802001  
COUNTY HARRIS

PROPOSAL SHEET  
TxDOT  
FORM 234-B I-61-5M

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	784	2001		REPAIRING STL BRIDGE MEMBER(BEAM) DOLLARS and CENTS	EA	16.000	11
	784	2126		REPAIR STEEL BRIDGE MEMBER (HANGER) DOLLARS and CENTS	EA	16.000	12
	6834	2001	002	PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	14.000	13

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## **GENERAL NOTES**

### **Supervision:**

Plans are required. Refer questions to:

Mr. John Elam, P.E., Area Engineer  
North Harris Area Engineer's Office  
16803 Eastex Freeway  
Humble, Texas 77347  
(281) 319-6400

All work will be scheduled and directed by, and request for payment addressed to:

Mr. Alan Moreau, Area Maintenance Supervisor  
16803 Eastex Freeway  
Humble, Texas 77347  
(281) 319-6450

Plan and execute all work in a neat manner.

Notify the Department by 7:30 am, when scheduled work is cancelled for any reason.

Daytime and nighttime work required.

This is an 86 Calendar day project. Bridge Structure Repair at IH 45 and Crosstimbers must be completed within the first 20 Calendar days. The remaining 66 days are allowed for the Installation of the Lanyard Anchorage. Both types of work may be performed concurrently; however, IH 45 at Crosstimbers takes priority. Work orders will be issued separately for each location and Special Provision 008-030 applies to each work order.

Assign a competent Foreman at site during prosecution of work at all times, who can communicate and make decisions as needed.

All coordination between the Contractor and the State will be through the Area Engineer's representative. For major traffic pattern changes such as rerouting or phase switches, the Area Engineer's representative will notify the Public Information Office by 3:00 p.m. on Thursday for weekend work, 3:00 p.m. Friday for Monday work, and 3:00 p.m. the day before for Tuesday thru Thursday work.

### **General: Site Management**

Do not mix or store materials, or store or repair equipment, on top of concrete pavement or bridge decks unless authorized by the Engineer.

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Personal vehicles of employees are not permitted to park within the right of way, including sections closed to public traffic. Employees may park on the right of way at the Contractor's office, equipment, and materials storage yard sites.

Assume ownership of debris and dispose of at an approved location. Do not dispose of debris on private property unless approved in writing by the District Engineer.

### General: Traffic Control and Construction

When design details are not shown on the plans, provide signs and arrows conforming to the latest "Standard Highway Sign Designs for Texas" manual.

### Item 5: Control of the Work

Submit shop drawings electronically for the fabrication of items as documented in Table 1 below. Information and requirements for electronic submittals can be viewed in the "Guide to Electronic Shop Drawing Submittal" which can be accessed through the following web link, [ftp://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e\\_submit\\_guide.pdf](ftp://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e_submit_guide.pdf). References to 11 in. x 17 in. sheets in individual specifications for structural items imply electronic CAD sheets.

**Table 1**  
**2004 Construction Specification Required Shop/Working Drawing Submittals**

Spec Item No.'s	Product	Submittal Required	Approval Required (Y/N)	Contractor/Fabricator P.E. Seal Required	Reviewing Party
7.8	Construction Load Analyses	Y	Y	Y	B
434	Elastomeric Bearing Pads (All)	Y	Y	N	B
441	Bridge Protective Assembly	Y	Y	N	B
441	Misc Steel (various steel assemblies)	Y	Y	N	B
441	Steel Pedestals (bridge raising)	Y	Y	N	B
441	Steel Bearings	Y	Y	N	B
441	Steel Bent	Y	Y	N	B
441	Steel Diaphragms	Y	Y	N	B
441	Steel Finger Joint	Y	Y	N	B
441	Steel Plate Girder	Y	Y	N	B
441	Steel Tub-Girders	Y	Y	N	B
784	Repairing Steel Bridge Members	Y	Y	Y	B

#### Key to Reviewing Party

<b>B - Bridge Engineer</b>	
Bridge Design (TxDOT)	<a href="mailto:HOU-BrgShpDrwgs@txdot.gov">HOU-BrgShpDrwgs@txdot.gov</a>

### Item 8: Prosecution and Progress

Working days will be charged in accordance with Section 8.3.A.5

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“The response time specified in this contract is an essential element. Liquidated damages will be assessed when the Contractor fails to begin work within the specified response times for any Item(s). The dollar amount specified in this Contract will be deducted from any money due or to become due for any Item(s) and will continue to be deducted for each day until work begins. This amount will be assessed not as penalty, but as liquidated damages.”

The Lane Closure Assessment Fee is shown in the following table. This fee applies to the Contractor for closures or obstructions that overlap into restricted hour traffic for each hour or portion thereof, per lane, regardless of the length of lane closure or obstruction. For Restricted Hours subject to Lane Assessment Fee refer to Item 502, “Barricades, Signs, and Traffic Handling”.

Lane Closure Assessment Fee Table

<u>HIGHWAY</u>	<u>LIMITS</u>	<u>MLNS</u>	<u>FEE</u>	<u>FRTG/SERVICE</u>	<u>ADT 2012</u> <u>FEE</u>
IH 45 SB	Crosstimbers Road	146,500	\$3,500	11,480	\$ 300
SH 124	At Intracoastal Canal	3,300	\$100		
US 90A	At Buffalo Bayou	15,500	\$400		
IH 10	At San Jacinto River	49,725	\$1,000		
SH 146	At Goose Creek Bridge	9,250	\$200		
US 90	At San Jacinto River	13,000	\$300		
SH 36	At Brazos River	14,100	\$300		
FM 523	At Dow Barge Canal	9,800	\$200		
FM 521	At San Bernard River	10,900	\$300		
SH 332	At Intracoastal	10,900	\$300		
SH 288	At Dow Barge Canal	27,960	\$500		

**Item 429: Concrete Structure Repair**

Transport the test cylinder to the North Harris Area Office Laboratory located at 16803 Eastex Freeway, Humble, Texas 77396. Transporting the test cylinders is subsidiary to the various bid items.

Provide concrete material capable of achieving a 7-day compressive strength of 4,000 psi. For validation of concrete strength, the Contractor shall make 3 times the amount of test specimens for testing and validation.

For validation of concrete strength, the Contractor shall make 3 times the amount of test specimens for testing and validation.

Obtain written approval before using the material.

Do not place repair material if impending weather may result in rainfall or low temperatures that may impair the quality of the finished work.

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Perform saw cutting as shown on the plans in accordance with Section 360.4.J, "Sawing Joints." This saw cutting is subsidiary to this bid item.

**Item 442: Metal for Structures**

Prestressed concrete panels will not be allowed on steel structures.

Locations of Lanyard Anchorage will be located over existing navigational lights. The locations shall be approved by the Engineer prior to installation.

**Item 450: Railing**

Provide concrete material capable of achieving a 7-day compressive strength of 4,000 psi.

**Item 502: Barricades, Signs and Traffic Handling**

Install Portable Changeable Message Signs (PCMS) 7 days before ramp closure. Payment for Item 502-2001 will begin when PCMS is installed.

Use a traffic control plan for handling traffic through the various phases of construction. Follow the phasing sequence unless otherwise agreed upon by the Area Engineer and the Project Manager. Ensure this plan conforms to the latest "Texas Manual on Uniform Traffic Control Devices" and the latest Barricade and Construction (BC) Standard Sheets. The latest versions of Work Zone Standard Sheets WZ (BTS-1) and WZ (BTS-2) are the traffic control plan for the signal installations.

Submit changes to the traffic control plan to the Area Engineer. Provide a layout showing the construction phasing, signs, striping, and signalizations for changes to the original traffic control plan.

Furnish and maintain the barricades and warning signs, including the necessary temporary and portable traffic control devices, during the various phases of construction. Place and construct these barricades and warning signs in accordance with the latest "Texas Manual on Uniform Traffic Control Devices" for typical construction layouts.

Cover work zone signs when work related to the signs is not in progress, or when any hazard related to the signs no longer exists.

Keep the delineation devices, signs, and pavement markings clean. This work is subsidiary to the Item, "Barricades, Signs, and Traffic Handling."

Erect temporary signs when exit ramps are closed or moved to new locations during construction.

Before detouring traffic onto the mainlane shoulders, remove dirt, debris, vegetation, and other deleterious material from the surface of the shoulders. Appropriately sign the detour in an approved manner. This work is subsidiary to the various bid items.



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Coordinate and schedule the work with the appropriate Metro representative if requiring access to the High Occupancy Vehicle lanes.

During construction, remove, cover, adjust, or replace overhead sign panels to correspond with each current traffic control phase. The desirable size of letters for freeways is 10 in., the minimum is 8 in. This work is subsidiary to Item 502.

Cover or remove the permanent signs and construction signs that are incorrect or that do not apply to the current situation for a particular phase.

Replace the overhead signs, informational signs, and exit signs to be removed, with temporary signs providing the correct information to the traveling public. Size the replacement signs and include them in the traffic control plan.

Do not mount signs on drums or barricades, except those listed in the latest Barricades and Construction standard sheets.

Use traffic cones for daytime work only. Replace the cones with plastic drums during nighttime hours.

Operations may be curtailed or halted out of consideration of traffic expected to and from public gatherings that may result in undue traffic congestion and delays to the traveling public.

Use shadow vehicles with Truck Mounted Attenuators (TMA) for lane and shoulder closures.

Do not reduce the existing number of lanes open to traffic except as shown on the following time schedule:

**IH 45 Frontage Road One or more lane closures  
IH 45 Mainlanes One Lane Closure**

<b>Day</b>	<b>Daytime Closure Hours</b>	<b>Nighttime Closure Hours</b>	<b>Restricted Hours Subject to Lane Assessment Fee</b>
Monday	9:00 AM - 3:00 PM	12:00 AM - 5:00 AM 7:00 PM - 12:00 AM	5:00 AM – 9:00 AM 3:00 PM – 7:00 PM
Tuesday	9:00 AM - 3:00 PM	12:00 AM - 5:00 AM 7:00 PM - 12:00 AM	5:00 AM – 9:00 AM 3:00 PM – 7:00 PM
Wednesday	9:00 AM - 3:00 PM	12:00 AM - 5:00 AM 7:00 PM - 12:00 AM	5:00 AM – 9:00 AM 3:00 PM – 7:00 PM
Thursday	9:00 AM - 3:00 PM	12:00 AM - 5:00 AM 7:00 PM - 12:00 AM	5:00 AM – 9:00 AM 3:00 PM – 7:00 PM

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Day	Daytime Closure Hours	Nighttime Closure Hours	Restricted Hours Subject to Lane Assessment Fee
Friday	9:00 AM - 3:00 PM	12:00 AM - 5:00 AM 7:00 PM - 12:00 AM	5:00 AM – 9:00 AM 3:00 PM – 7:00 PM
Saturday	5:00 AM – 11:00 A.M.	12:00 AM - 5:00 AM 8:00 PM - 12:00 AM	11:00 AM – 8:00 PM
Sunday	5:00 AM – 11:00 A.M.	12:00 AM - 5:00 AM 8:00 PM - 12:00 AM	11:00 AM – 8:00 PM

**IH 45 Crosstimbers Ramp Closure**

Day	Daytime Closure Hours	Nighttime Closure Hours	Restricted Hours Subject to Lane Assessment Fee
Monday To Friday	NO RESTRICTIONS	NO RESTRICTIONS	NO RESTRICTIONS
Saturday to Sunday	NO RESTRICTIONS	NO RESTRICTIONS	NO RESTRICTIONS

**One Lane Closure-No Restrictions**  
**FM 1495, FM 2004, FM 2611, SH 124, SH 146**

Day	Daytime Closure Hours	Nighttime Closure Hours	Restricted Hours Subject to Lane Assessment Fee
Monday Through Friday	No Restrictions	Emergency Only	None

**One Lane Closure-Restricted**  
**FM 521, FM 523, SH 36 & SH 332 (2 Lane) , US 90A, US 90, IH 10**

Day	Daytime Closure Hours	Nighttime Closure Hours	Restricted Hours Subject to Lane Assessment Fee
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<b>Day</b>	<b>Daytime Closure Hours</b>	<b>Nighttime Closure Hours</b>	<b>Restricted Hours Subject to Lane Assessment Fee</b>
Monday Through Friday	9:00 AM - 3:00 PM	12:00 AM – 5:00 AM  7:00 PM – 12:00 AM	5:00 AM - 9:00 AM  3:00 PM - 7:00 PM

The above times are approved for the traffic control conditions listed.  
The Area Engineer may approve other closure times if traffic counts warrant. The Area Engineer may reduce the above times for special events.

Law enforcement assistance will be required for this project and is expected to be required for major traffic control changes and lane closures. Coordinate with local law enforcement and arrange for law enforcement as directed or agreed by the Engineer.

Provide full-time, off-duty, uniformed, certified peace officers, as part of traffic control operations. The peace officers must be able to show proof of certification by the Texas Commission on Law Enforcement Officers Standards. The cost of the officers is paid for on a force account basis.

A minimum of 7 days in advance of any total closure, place a portable changeable message (PCM) sign at the location of each total closure which informs the traveling public of the details of the closure. Alternately, if the Traffic Control Plan provides a positive barrier at the location, a non-trailer mounted static message board sign behind the positive barrier may be used in place of a PCM.

A minimum of 7 days in advance of any total closure, notify the Houston District Public Information Office of which roadways, ramps, intersections, or lanes will be closed, the dates they will remain closed, and when they will be opened again to traffic.

Provide portable changeable message signs as shown on the Traffic Control Plan and the Special Specification Item 6834, "Portable Changeable Message Signs."

Temporary Rumble Strips will be considered subsidiary to various bid items and shall be a product listed on the Compliant Work Zone Traffic Control Devices.